**Q1. What is the purpose of Python's OOP?**

* It allows us to develop application using an object oriented approach in python, we can easily create and use classes and objects.

**Q2. Where does an inheritance search look for an attribute?**

* An inheritance search looks for an attribute first in the instance object, then in the class the instance was created from, then in all higher superclass.

**Q3. How do you distinguish between a class object and an instance object?**

* Class object represent itself, while instance object represent individual instance of the class

**Q4. What makes the first argument in a class’s method function special?**

* First argument in class method function is special because the calling process is automatic while the receiving is not this is the reason first parameter of a function in class must be object itself

**Q5. What is the purpose of the \_\_init\_\_ method?**

* \_\_init\_\_ used to initialize the attributes of an object as soon as the object is formed

**Q6. What is the process for creating a class instance?**

* For creating class instance of a class you call the class using class name and pass in whatever arguments its \_\_init\_\_ method accepts.

**Q7. What is the process for creating a class?**

* For creating class first declare the class name , programmer must define a constructor method, variable and the body of the \_\_init\_\_ method, and another component associated with classes are attributes then creating an instance , an instance is a specific object created from particular class .

**Q8. How would you define the superclasses of a class?**

* A class is derived from another class is called super class